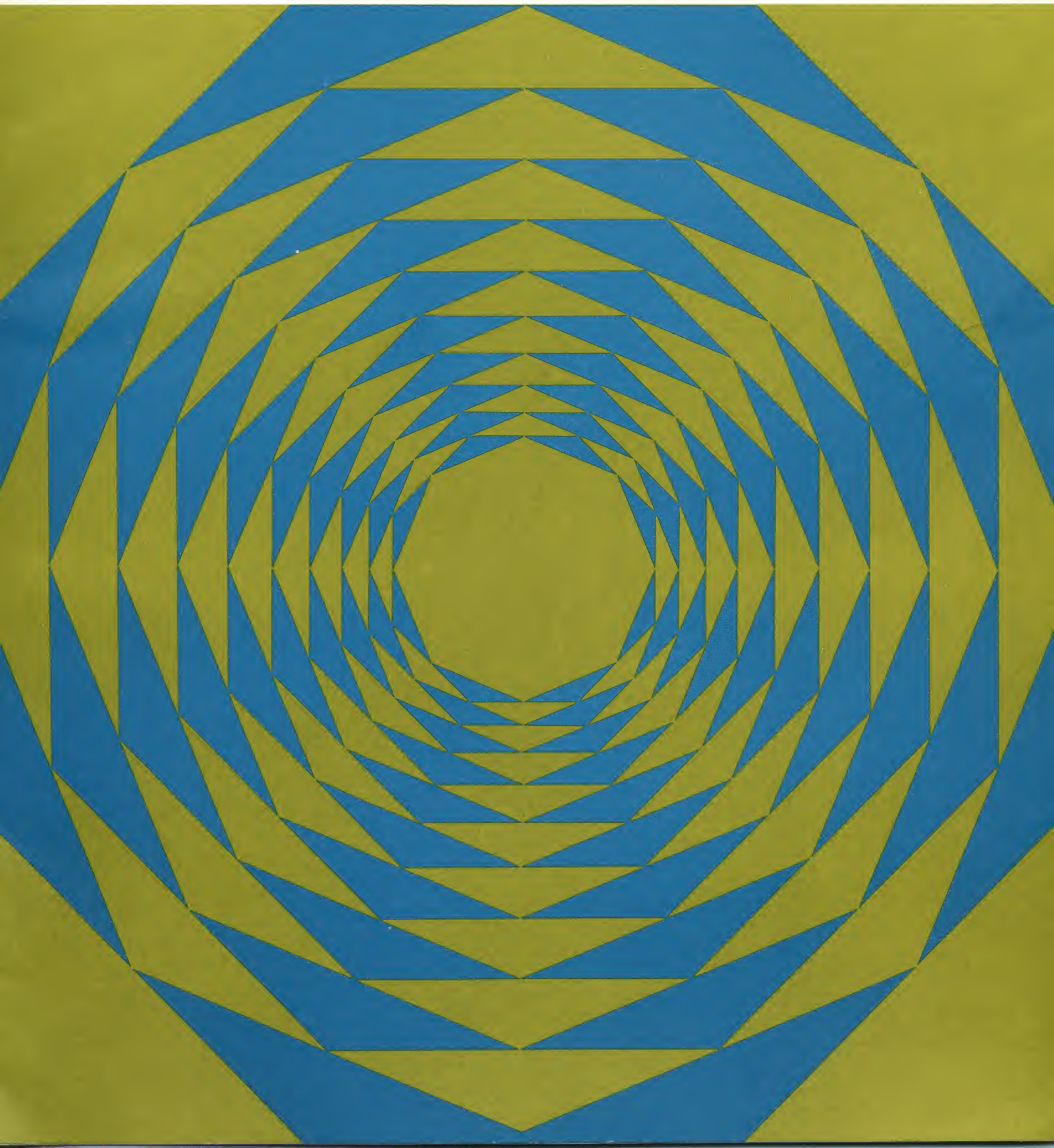


**DATA PROCESSING SYSTEMS UNIVAC<sup>®</sup> 1005**







# DATA PROCESSING SYSTEMS UNIVAC 1005

*UNIVAC 1005 Data Processing Systems—  
A New Family of Low-Cost Computers*

*Featuring*

*Both internally stored and  
control panel programming*

*Both 80- and 90-column card models*

*Both card and tape models*

*And a large variety of  
select-what-you-want peripheral devices.*

*Building on the solid foundations of the famous 1004 Card Processor, Univac presents a new family of low-cost data processing systems—the UNIVAC 1005 Series. It is geared to the small and growing business and is designed to expedite greatly the processing of routine accounting chores. It can handle your payroll, inventory control, sales analysis, accounts payable and receivable, and a host of other applications. At the same time, the 1005 functions as an extremely comprehensive management information system—giving you vital operating facts when you need them.*



## VERSATILE

A key feature of the UNIVAC systems is their versatility in data processing.

Punched card systems (80/90 column) can be Read-Punched or Read-Formatted. In addition, your 1005 can be added to the speed (2000 lines per minute) capability, thereby producing 1005 columns of data.

Other features include Punched card systems that receive data from other systems.

All of the features of the UNIVAC 1005 are available as an option.

# UNIVAC 1005

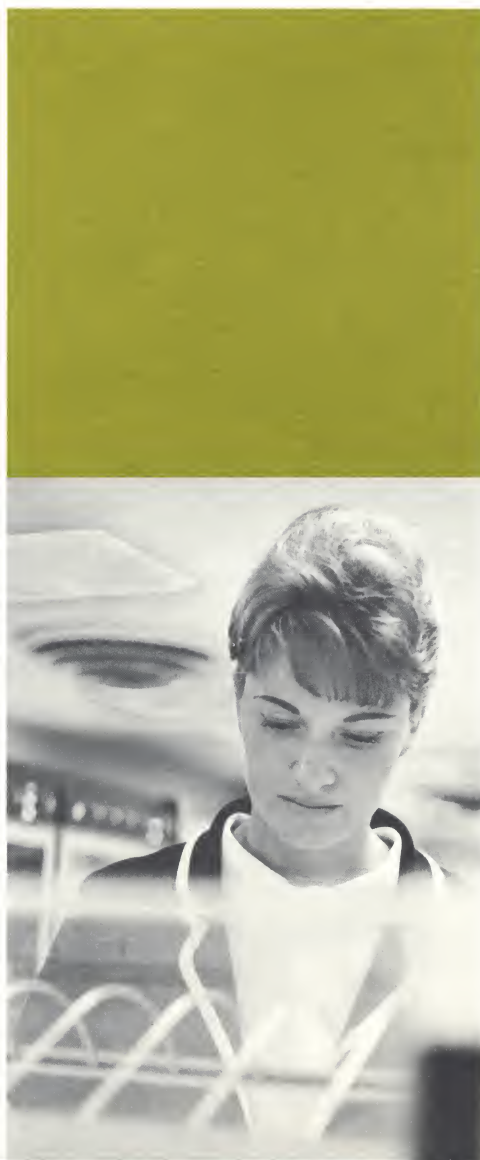
## **VERSATILITY**

A key feature of the UNIVAC 1005 is its versatility. It is one of the most adaptable systems ever developed in the low-cost price range and provides exceptional data processing power for the small business.

Punched cards are the basic 1005 media; 80-column, 90-column or combination 80/90 column. The 1005 can be equipped with an Auxiliary Card Reader, and a Read-Punch unit which permits punching into the same card from which information has been read. And most importantly, the throughput capabilities of your 1005 installation can be doubled as your requirements demand by the addition of the on-line UNIVAC 1001 Card Controller. The 1001 acts as a high-speed (2000 cpm) input to the 1005. Because of its independent processing capabilities, it can process different segments of the same job simultaneously, thereby freeing the 1005 for more complex operations. Further, with the 1001-1005 combination, you can process concurrently two entirely different jobs and produce two separate outputs.

Other peripheral devices include Magnetic Tape Units, Paper Tape Readers and Punches, and Data Line Terminal communications units which transmit and receive data from geographically dispersed locations.

All of these peripheral units may be added to your installation as the need arises. UNIVAC 1005 Systems are geared for growth and expansion, but strictly at your option.



## HIGH SPEED

The UNIVAC 1005 Series gives you extremely high-speed operation, thereby greatly increasing the throughput rate of many jobs and applications. It has memory cycle time of 6.5 or 8 microseconds. It reads cards at 400 or 615 cpm, punches cards at 200 cpm, and prints at the rate of 400 to 600 lines per minute. And it has 2,048 characters of magnetic core memory which can be expanded to 4,096 characters.

All of this means that you reduce the costs of producing your payrolls, invoices, and reports. And who isn't interested in that?

## LOW COST

The UNIVAC 1005 family of computers is low-cost in two important areas: it is economical to install and economical to operate.

It costs no more than—often even less than—conventional tabulating equipment. And because of its high speed, large capacity, and extensive versatility, the UNIVAC 1005 System can easily outperform a battery of standard tabulating equipment. And it is competitively priced with other systems of its size. A UNIVAC 1005 Processor is compact, fits easily into most existing data processing areas, and often requires less floor space than the equipment it replaces. The UNIVAC 1005 is priced to fit comfortably within the small businessman's budget. Now, many more companies can join the ranks of thousands of other organizations that have profited from "going Univac."

## DUAL PROGRAMMING

Now here's a unique feature. You can program the UNIVAC 1005 two ways! We call it dual programming.



# UNIVAC 1005



Your applications may be programmed with the new simplified internally-stored programming features of the 1005 series. Stored programming with the 1005 offers all the advantages usually associated with larger computer installations.

With the 1005, you get a complete and easy-to-use assembly system. Your program is written in English-like symbolic coding, which produces the machine or object code directly usable by the 1005 Processor. The mnemonic operation code describes the function of the instruction, thereby making it unnecessary to learn the machine codes.

Also available is a powerful Report Program Generator. This automatic compiler permits you to produce the report you want—when you want it. You determine the type of report required. Guided by standard input formats, the UNIVAC 1005 generates a program which produces your

reports automatically. The 1005 RPG produces an extremely wide variety of information and operating reports.

Or you may want to use the traditional control panel for programming. A single plugboard or connection panel controls the entire system, and the programming techniques closely resemble those of con-



ventional tabulating equipment. Your present machine room personnel can program and operate a 1005 System with a minimum of instruction.

If this isn't programming flexibility, we'd like to know what is.

### **SIMPLE TO PROGRAM**

Anybody who is familiar with the operation and wiring of punched-card equipment can easily learn either 1005 internally stored programming or control panel programming with slight additional training. There is no need to hire special programmer personnel. Your present staff starts producing efficient and effective coding after only a short orientation period.

With the UNIVAC 1005 Processor, you do not have to change your systems and procedures to fit the equipment. On the contrary, the equipment fits the systems and procedures. Programming logic of the 1005 allows the user to retain existing card layouts and use existing punched card master files and historical record files.





# UNIVAC 1005



## FLEXIBLE SATELLITE

Have a large EDP system? The 1005 Processor is outstanding in its role as a satellite. It performs preliminary editing and formating, card reading and punching, card-to-tape and tape-to-card conversions, and tape-to-printing functions. It is compatible on-line or through UNISERVO\* VIC Tape Units to the UNIVAC 1050, UNIVAC 418, UNIVAC Modular 490 Systems,

\*Trademark of Sperry Rand Corporation.

and with the UNIVAC 1107 or 1108 Computers. The 1005 is also compatible with tape formats of other manufacturers.

## COMPATIBLE WITH 1004

The new UNIVAC 1005 Series is compatible with existing UNIVAC 1004 Systems.

Control panels programmed for the 1004 can be used on the 1005, and vice versa. And even though the processors are in different geographic locations, this compatibility can be maintained through standard communications lines using the UNIVAC Data Line Terminal.

## 1004 TO 1005 CONVERSION

Like to update your 1004 to the new 1005? It's easy to step up to a 1005. We've provided a specially designed Electronic Program Module that converts existing 1004's to the versatile 1005. This conversion can be made on site quickly and easily.



The 1005 Processor is an extremely compact, high-performance processing unit which combines multiple program-controlled functions in a single unit. It has a photo-electric card reader, high-speed printer, core memory, and all associated arithmetic logic and control circuitry. This consolidation offers virtual single point operational and supervisory control of the entire system, providing the optimum in functional flexibility and operator efficiency.

A cable-connected card punch provides output punching. Punch speeds are not affected by varying amounts of data to be punched.

#### **MODEL I**

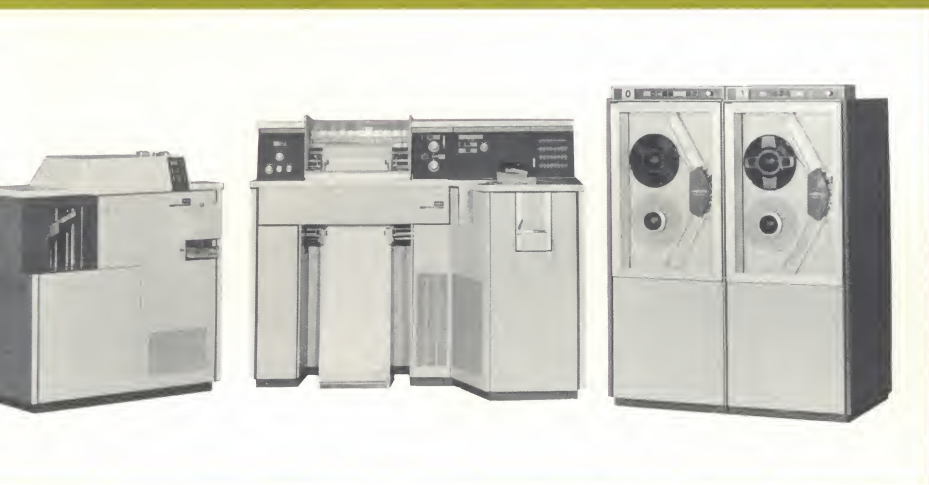
*Reading:* 400 cards per minute  
*Punching:* 200 cards per minute  
*Printing:* 400 lines per minute  
*Memory Capacity:* 2,048 or 4,096 positions  
*Cycle Time:* 8 microseconds

#### **MODEL II**

*Reading:* 615 cards per minute  
*Punching:* 200 cards per minute  
*Printing:* 600 lines per minute  
*Memory Capacity:* 2,048 or 4,096 positions  
*Cycle Time:* 6.5 microseconds

#### **MODEL III**

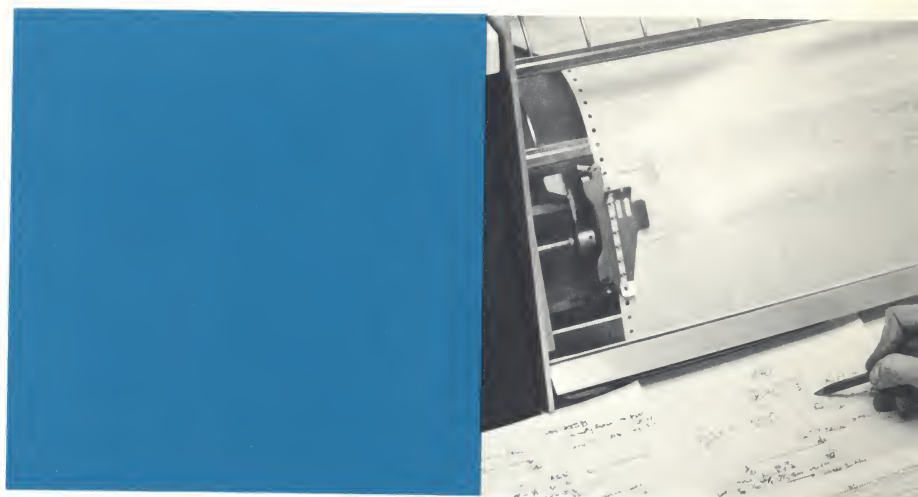
*Reading:* 615 cards per minute  
*Punching:* 200 cards per minute  
*Printing:* 600 lines per minute  
*Memory Capacity:* 2,048 or 4,096 positions  
*Cycle Time:* 6.5 microseconds  
*Magnetic Tape:* UNISERVO VIC  
 Tape Units





## 1005 PERIPHERAL UNITS

1. Card Punch—card-punching at 200 cards per minute is available. Output punched cards are automatically checked for accuracy by a weighted hole-count checking feature.
2. Read-Punch Unit—reads data from standard 90- or 80-column cards and punches output data into the same cards. Cards are handled at 200 per minute.
3. Auxiliary Card Reader—provides another input to the 1005. Reads at the rate of 400 cpm.
4. 1001 Card Controller—a high-speed, multipurpose machine which performs collating, sorting, card proving, card editing, and statistical sorting. Two card feeds operate at the rate of 1,000 cpm, or 2,000 cpm when both feeds operate simultaneously. It has a 256 position magnetic core storage with a cycle time of 12 microseconds. Processes include addition, subtraction, programmed multiplication, comparing, and data transfer.
5. Magnetic Tape Units—provide high-speed input/output. These tape units can read and write in densities of 200, 556, or 800 characters per inch. One 2,400 ft. reel of tape will contain the equivalent of 150,000 to 160,000 90- or 80-column cards. Tape units are compatible with those of larger EDP systems.
6. Paper Tape Reader—a powerful, flexible input unit which reads 5-, 6-, 7-, or 8-channel paper tape at 400 characters per second. Reading is automatically parity-checked.
7. Paper Tape Punch—can be installed in any 1005 System equipped with a Card Punch or Read-Punch. This unit punches information into 5-, 6-, 7-, or 8-channel tape at 110 characters per second.
8. Data Line Terminals—high-speed communications terminals which transmit 2,000 to 40,800 bits of information per second via communications lines.



*We've only given you the highlights of this great new system. Find out how it can produce some electronic wonder-workings for you. There are hundreds of Univac data-processing specialists ready and eager to give you more facts on the 1005. Why wait? Call one today.*



**UNIVAC**

DIVISION OF SPERRY RAND CORPORATION

# UNIVAC

DIVISION OF SPERRY RAND CORPORATION

P. O. BOX 500, BLUE BELL, PA.  
AREA CODE 215 MITCHELL 6-9000

March 11, 1966

Mr. T. Nelson  
Vassar College  
Poughkeepsie, New York 12601

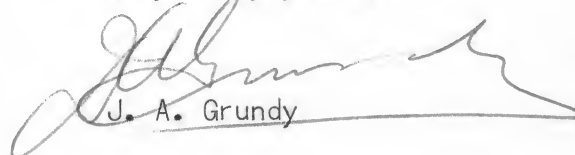
Dear Mr. Nelson:

In answer to your recent request to DATA PROCESSING MAGAZINE, we are pleased to enclose a descriptive folder on the new UNIVAC 1005 Data Processing System.

This system affords many unique operating features that are being applied very successfully to a wide variety of data processing applications.

Our local representative in Albany will be pleased to supply you with the specific information regarding the application of this system to your data processing needs.

Very truly yours,



J. A. Grundy

JAG:caw

Enclosure